

Display energy certificate (DEC) recommendation report

The Wesley Forest Of Dean
Community & Arts Centre
Belle Vue Road
CINDERFORD
GL14 2AB

Report number
2826-2597-5941-0504-4905

Valid until
3 March 2034

Operational rating and DEC

This building's operational rating is C.

For more information on the building's energy performance, [see the DEC for this building \(/energy-certificate/2486-1867-0746-3602-4805\)](/energy-certificate/2486-1867-0746-3602-4805).

Recommendations

Changes that may pay for themselves within 3 years

Recommendation	Potential impact on carbon emissions
Consider fitting zone controls to reduce over and under heating where structure, orientation, occupation or emitters have different characteristics.	Medium
If stratification occurs consider re-circulating the air during heating.	Low

Changes that may pay for themselves within 3 to 7 years

Recommendation	Potential impact on carbon emissions
Consider applying reflective coating to windows and/or fit shading devices to reduce unwanted solar gain.	Medium
Consider fitting secondary glazing and/or under glaze sky lights where appropriate.	Medium
Consider engaging experts to review the condition of the building fabric and propose measures to improve energy performance. This might include building pressure tests for air tightness and thermography tests for insulation continuity.	Medium
Consider introducing or improving wall insulation (internal lining) to solid single skin structures.	High
Consider implementing regular inspections of the building fabric to check on the condition of insulation and sealing measures and removal of accidental ventilation paths.	Medium

Changes that may pay for themselves in over 7 years

Recommendation	Potential impact on carbon emissions
Engage experts to review the building lighting strategies and propose alterations and/or upgrades to daylighting provisions, luminaires and their control systems and an implementation plan.	Medium
Consider introducing or improving ground or exposed floor insulation.	Medium
Consider replacing or improving glazing.	Medium
Consider installing building mounted solar water heating.	Medium

Additional recommendations

Recommendation	Potential impact on carbon emissions
Consider replacing T8 lighting with LED complete with auto on/off PIR sensors in areas with low occupancy	Medium

Building and report details

Building occupier

Building type	General Office
Building environment	Heating and Natural Ventilation
On-site renewable energy sources	pv: 20,544.00 kWh Electricity
Electricity used	6454 kW h
Gas used	165576 kW h
Total useful floor area	693.5 square metres
Building reference	UPRN-010008094481
Report issued on	4 March 2024
Calculation tool	CLG, ORCalc, v4.0.4
Type of inspection	Physical

Assessor's details

Assessor's name	Timothy Davis
Employer's name	Cotswold Energy Consultants Ltd
Employer's address	Russell Lodge Mosley Green Parkend LydneyGL15 4HS
Assessor ID	EES/013393
Accreditation scheme	Elmhurst Energy Systems Ltd